

# Product Datasheet

## D-Dimer Antibody (28) - BSA Free NBP1-05045

Unit Size: 0.1 mg

Store at 4C in the dark.

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**NBP1-05045**

D-Dimer Antibody (28) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	28
<b>Preservative</b>	0.9% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl

**Product Description**

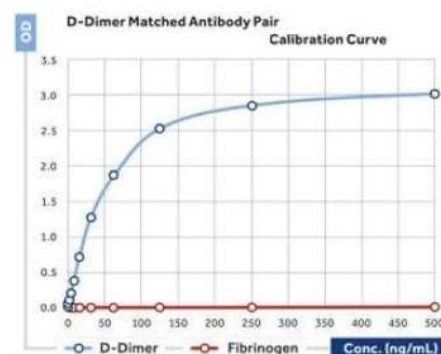
<b>Host</b>	Mouse
<b>Species</b>	Human, Canine
<b>Specificity/Sensitivity</b>	Binds human D-dimer. Cross-reacts with directly coated D-monomer but not with directly coated fibrinogen.
<b>Immunogen</b>	Purified human D-dimer

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, ELISA 1:8000, Immunohistochemistry-Paraffin
<b>Application Notes</b>	ELISA: NBP1-05045 binds free D-dimer in solution. NBP1-05045 works as a capture antibody in sandwich ELISA with biotinylated NBP1-05045 or NBP2-21616 as a detection antibody. Biotinylated NBP1-05045 works as a detection antibody in sandwich ELISA with NBP2-21616 or NBP1-05045 as a capture antibody. The combination with NBP1-05045 as a capture antibody and NBP2-23592 as a detection antibody is recommended. WB: Due to reducing conditions in Western blotting NBP1-05045 binds the beta-chain (40kDa) of D-Dimer, and not the entire D-Dimer complex. Use in IHC-P reported in scientific literature (PMID:33480806)

**Images**

ELISA: D-Dimer Antibody (28) - BSA Free [NBP1-05045] - The calibration curve of a sandwich assay for D-Dimer using NBP1-05045 as capture antibody and NBP2-23592 as the biotinylated detection antibody.



## Publications

Pellegrini D, Kawakami R, Guagliumi G, et al. Microthrombi As A Major Cause of Cardiac Injury in COVID-19: A Pathologic Study Circulation 2021-01-22 [PMID: 33480806] (IHC-P, Human)





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### **Products Related to NBP1-05045**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP3-08100	Mouse D-Dimer ELISA Kit (Colorimetric)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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